

## PATENT ABSTRACTS OF JAPAN

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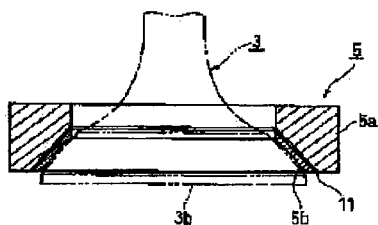
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### (54) VALVE SEAT FOR INTERNAL COMBUSTION ENGINE

(57)Abstract:



PROBLEM TO BE SOLVED: To improve abrasion resistance of a seat part by fixing a hard metallic seat plate to the seat part seated by a valve face part of an engine valve in a valve seat main body formed of aluminium alloy through an adhesive coating film layer composed of pure aluminium or nickel.

SOLUTION: In a device to close a port by bringing a valve face part formed in the shade part 3b of an engine valve 3 into contact with a seat part of a valve seat 5, the valve seat 5 is composed of a valve seat main body

5a and a seat plate 5b, and is respectively formed of aluminum alloy and a hard metallic plate such as a steel plate. In this case, the valve seat main body 5a and the seat plate 5b are joined together through an adhesive coating film layer 11 which is fixed to a surface of the seat plate 5b and is composed of pure aluminium or nickel. That is, while relatively rotating the valve seat main body 5a and the seat plate 5b, both are integrally fixed together by pressing them so that a contact plane of the

valve seat main body 5a is plastically deformed.

Fig.1

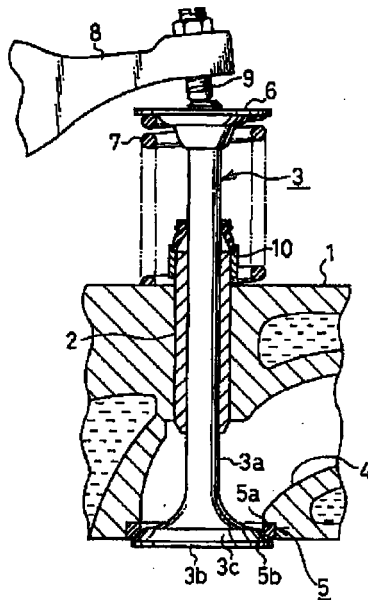


Fig.2

